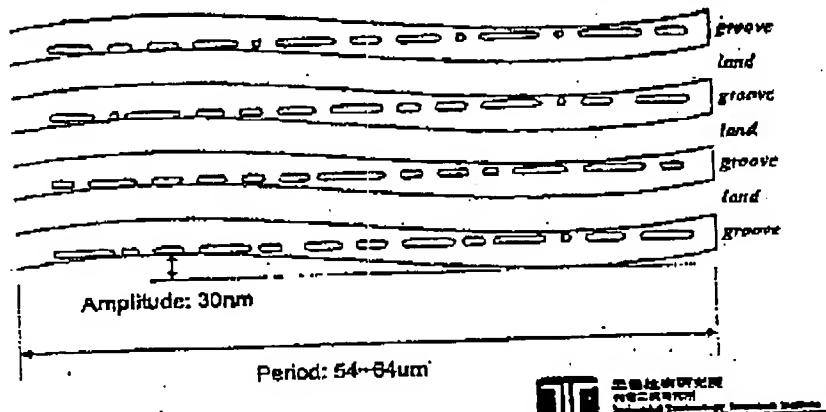


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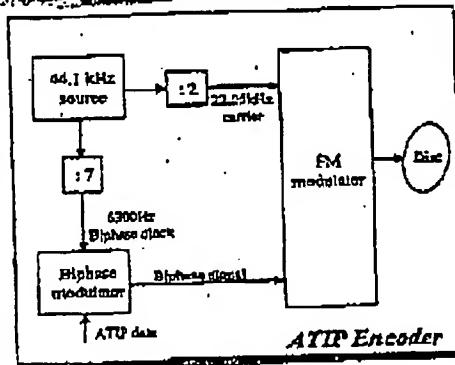
## Pre-groove and Wobble



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## ATIP Modulation

Disc		Radio Track Wobble
Carrier frequency	22.05kHz	
Analog modulation	FM	
Digital modulation	Biphase-Mark	
Synchronization	Biphase-wolteros	
Data bit-rate	31.50 Mbit/s	
Frame length	42 bits	
Frame frequency	73Hz	
Data elements	3 Bytes/MIN/SEC FRAME	
Error protection	14 bits CRC	
Carrier frequency		22.05kHz
Deviation	1kHz ± 10%	
Oscillator output	1.5mVrms	
Oscillator THD	< -40 dB	



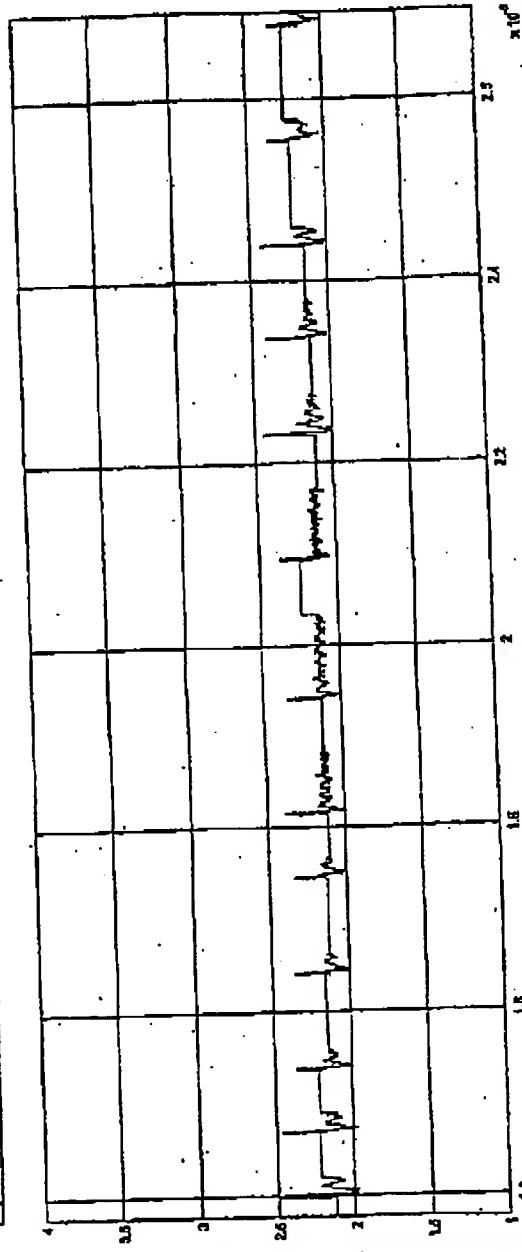
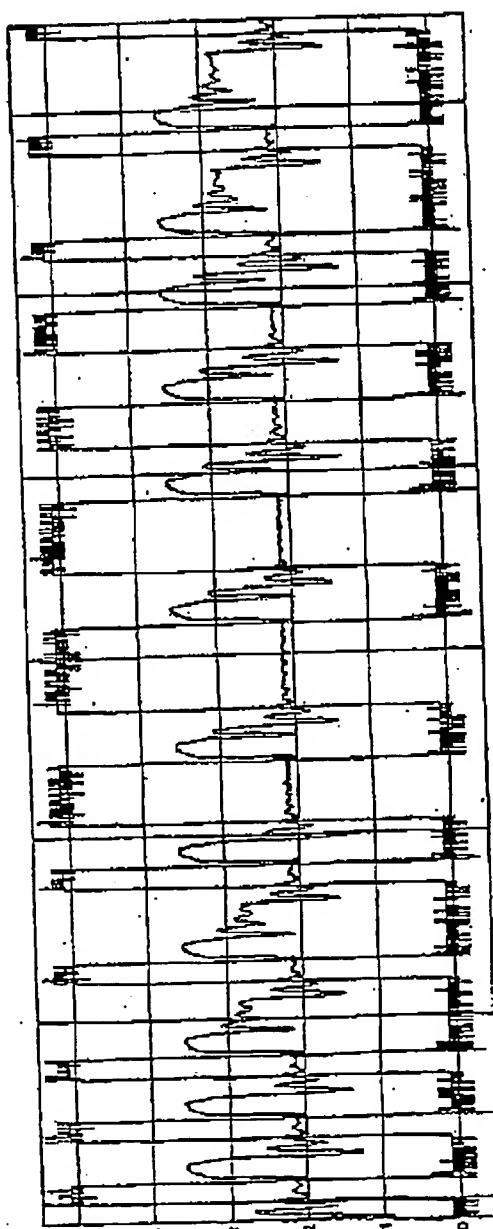
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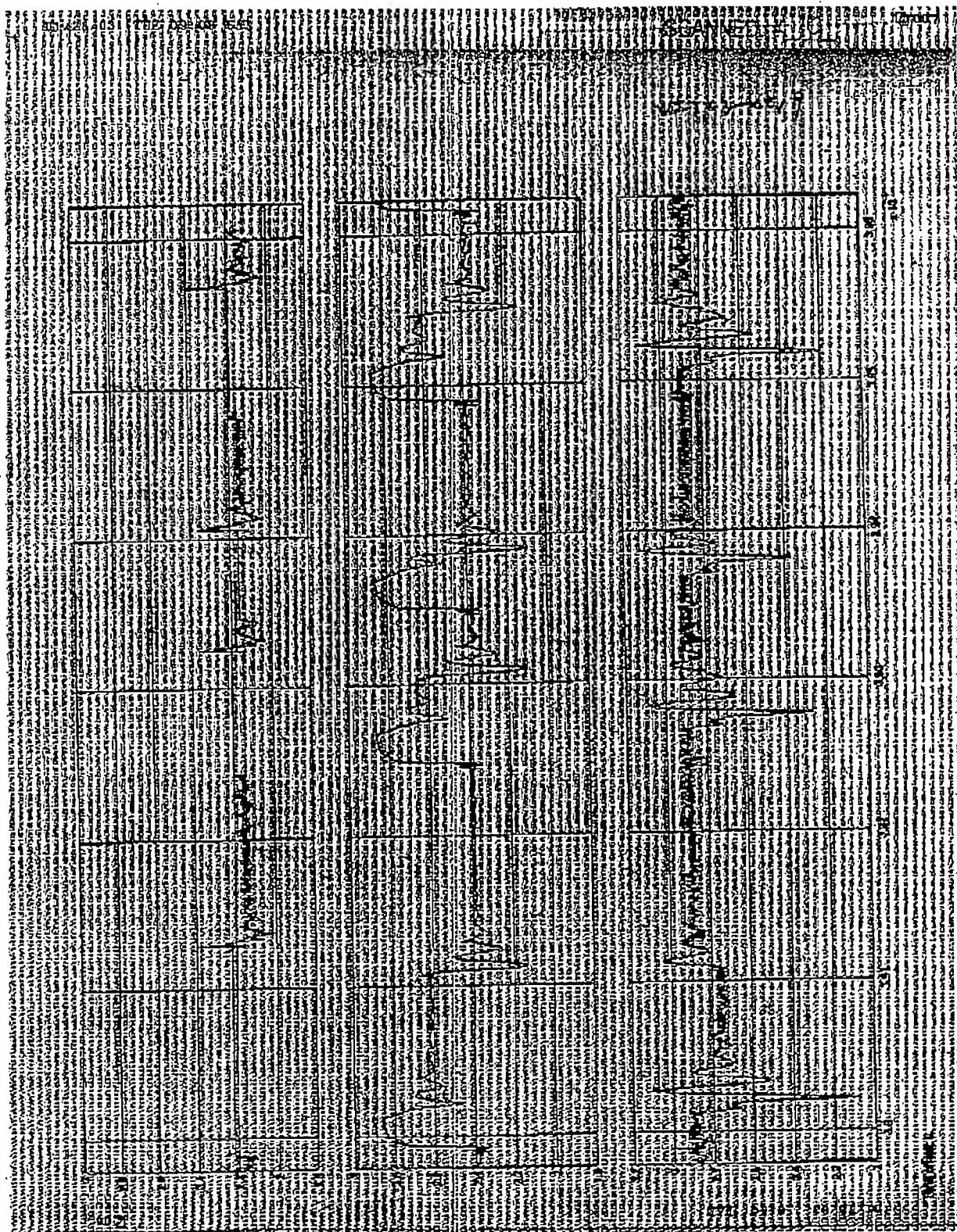
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PAGE 7/8 \*RCVD AT 6/8/2007 12:17:44 PM [Eastern Daylight Time] \*SVR:USPTO-EFXRF-2/22 \*DNIS:2735260 \*CSID:2024085297 \*DURATION (mm:ss):05:00

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